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FITNESS STUDIO SYSTEM

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Abstract— This project "Fitness Studio System" is a solution for fitness centres to manage the customers in an easier and more convenient way. This project will be a web based computer program that will manage the gym members, their personal details and inventory. This system will maintains the client records, to provide the valuable reports regarding the progress of the gym member.

Keywords—Fitness Centres, Service Quality, Inventory, Reports.

INTRODUCTION

The "Fitness Studio System" will be having a user friendly Interface for porting of data to a server. Operations such as adding, removing, searching of customers, suppliers and employees can be done efficiently and effectively by using fitness studio system. The system contains the inventory of equipment's and suppliment's regarding the muscular growth of gym members. Gym members can choose their workout plan according to the schedule of fitness studio system.Admin can view member's details, their status of fees details and generate report according to their overall development. The goal of the project is to evaluate the quality of services in fitness centre's. The service quality of the fitness centres must not only comply with the established standards but also must exceed the expectations. Customers' expectations must be known in order to measure them. Customers get intellectual and emotional satisfaction from the qualities of online services of fitness centres.

OBJECTIVE

The main objective of the project is that to design and develop a user friendlysystem to manage the member's data and their overall development reports. The database of the system will hold all the necessary information so that admin can easily fetch or access data andupdate new entries into a database. The "Fitness Studio System" is a solution of an accurate and flexible system, it will eliminate dataredundancy.

Computerization process of Fitness Studio System can be more helpful for the new gym members as means of saving time &cost. By using this web based system member's can registered themselves to various competitions of gym, This system is easy to use and efficient computerized web application system.

LITERATURE SURVEY

In [1] Suresh Hamilton" Gym registration system", IEEE-2013-The objective is to define system will be providing the facility to pull the data from the server using a key (such as id) and get the desired report. According to IEEE 405 data format [john Keats] any business that does not have a website is missing out on one of the most powerful marketing tools available to them. The main reason that it is important for businesses to have a website is how people are likely to find you. When the records are changed they need to update each and every excel file.

In [2] Parshuram Barak" Gym Management System", IEEE-2014- The online gym management system is user-friendly application. This automated system makes all functionality easier for both

owners and customers.According to research paper of IEEE it is not enough for us simply to think about how nice compassion is.

In [3] K. G. Zografos, K. N. Androutsopoulos and V. Spitadakis," dance type", IEEE-2015-An Existing system refers to the system that is being followed till now. The gym is working manually. The current system is time consuming and also it is very costly. Also the fetching of members information is very time consuming.

In [4] According to John F. Kenedy IEEE-2016-Organizational risks stemming from organizational culture, structure and business processes impacts the technical software development issues, creating a wide range of potential trouble points. From the beginning of our historically verified time there has only been mentioned of sports but to increase the potential level of body their must be a solution of fitness centres which attracts the developers to build a web based system which allow members to registered themselves into a fitness centres.

In [5] as the technological era kicked in, physical activity declined by the average person but as most observers have stated there was an increase in recreational sports, sports has reached a new level of participations. The goal is to make the person feel honored and to build a bond of trust that implies we are all going to play by the rules and be fair, no dirty tricks. So training had become a real option for all classes and physical activity the rates of fitness centers slowly began to rise.

In [6] At this time ,most people had the option to train to become an athlete but the increasing cost of fitness centres not attracted to much members therefore a web based application started including with a package deal, having a personal trainer , eating a good diet plan and schedules creating a more socially acceptable image of health. Towards the end exercise became an image of lifestyle. Therefore the development of people, personal training had now become an all people game within the fitness world people was heavier and bulkier. Web based applications will help people to choose their package with discounts, members can choose their timing according to schedule plan, they buy products or suppliment's from the inventory.

In [7] the Authors has said about the Textual Analysis of fitness centres Through this appstudio systemcentre, we investigated 7,411 athletics news articles and 10,239,052Fitness quotes covering the S&P 600 centers during a five-week period. They have applied their analysis to estimate a fitness centers across all over world twenty minutes after a news article was released. We further investigated the different textual representations and found that a digitalised scheme performs better than the manual maintenance of database. The benefit in the form of reduced cost.

In [8] according to A. Z. Cooper the professionals development needs practices of "Fitness professionals, "however have not been a major concern for researchers in the field. The purpose of this article is to provide an overview of the evidence on fitness professionals available to support them. We get know about all the information related with fitness centers. The analysis indicates that to develop a web based application and generates attentions of gym members.

PROPOSED SYSYTEM

The proposed system will use digitalized web based application which will be beneficial for both Gym members and admin. The beauty of this web based system not only depends on its external interface but also depends on its coding structure. By using this digitalized web based application admin can easily manipulate data and update new entry into a database. This web based system will also provide the facility of personal trainer as well as diet plan schedule. It will also provide the facility to gym members to register themselves to various state, domestics, nationals & internationals competitions of gym. Although there is a lots of useful research into the quality of services provided by the fitness centres. It is important to find the best quality assessment models to evaluate the fitness services and the criteria that are the most relevant for the customers. Analyse and finding quality services in fitness centres.

IMPLEMENTATION

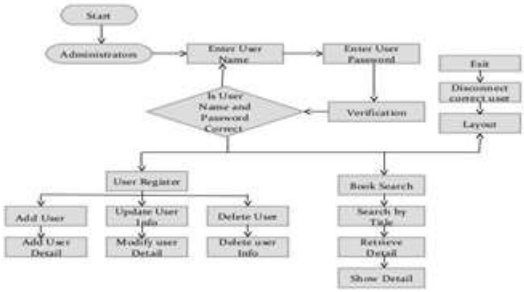
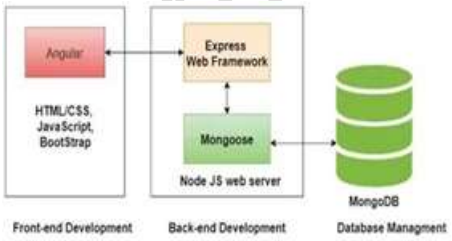


Fig (1): System Design

The planning process of development of any research-based project includes system design architecture. The Fitness studio system web application is in essence a more effective and visually easier way to grasp Gym member's data. Its designing process includes involvement of different technologies such as struts framework,Html,Css,Java-script,Bootstrap, My-sql and Java.Using struts framework developer can implement Mvc structure. Front end designed by using Html, Css,

Bootstrap and JavaScript to generate member's database. Java&MySQL server is used in backend. The various Html pages are converted into Jsp pages and there is addition of tomcat 2.1 servers there is also involvement of adding different libraries. Then we convert Jsp pages into struts.xml file and performed insert, update, and delete operation on all submodules. Finally there is connectivity with MySQL and verifying output**.**

There is generation of database saved database. We can also manipulate the data.



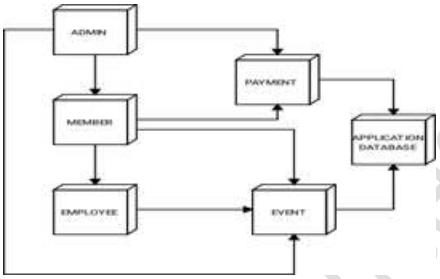
PROCEDURE

User of the Fitness studio system will be divided into two categories:-

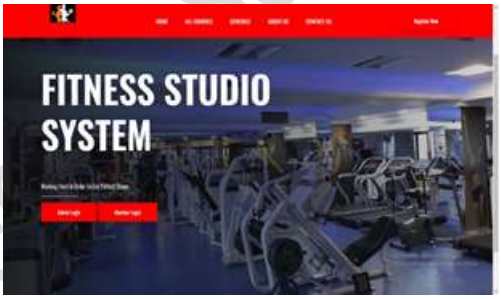
- Admin
- Members

Admin is the in charge of the system he will be able to access all the modules present in the web application.

Members have to register themselves as a user in the web application. They can access the member's dashboard and choose their schedule and diet plan.



OUTPUT



CONCLUSION

The "Fitness Studio System" is successfully designed and developed to fulfilling the necessary requirements, of gym members as well as admin as identified in the requirements analysis phase, such as the system is very much user friendly and easy to use.Muscular gaining and profitability are carried out.The project aims at the completion of the remaining portion of its development andapplication in the coming year,A perfectly structured database for the system would be made.The designing part of the dashboard would be processed completely.The connectivity of the Data with the SQL database would be established.

Furthermore, the project will undergo various testing before its final deployment. The quality services of fitness centre are satisfying the customer's needs. The implementation methodology of fitness studio system is easy to use and understandable. This web based application is solution for all the body building fitness centres.

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